TOSHIBA

The power to open people's eyes

28ZD06G
32ZD06G
32ZD16G

colour television

owner's manual

For your safety

Please read the points below for your own safety. They are of a general nature, intended to help you with all your electronic consumer products and some points may not apply to the goods you have just purchased.

Some "DOs" and "DON'Ts" for you

Air Circulation…

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent the TV from overheating and consequential possible damage to the TV. Dusty places should also be avoided.

Heat Damage…

Damage may occur if you leave the TV in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply…

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. DO ensure that the TV is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance.

IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

DO…

This equipment has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections, including the mains plug, extension leads and inter connections, between pieces of equipment, are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug when making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DO NOT…

DON'T remove any fixed covers as this may expose dangerous voltages.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment for example, with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T place hot objects such as candles or nightlights on, or close to the equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws – to ensure complete safety always fit the manufacturer's approved stand with the fixings provided, according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

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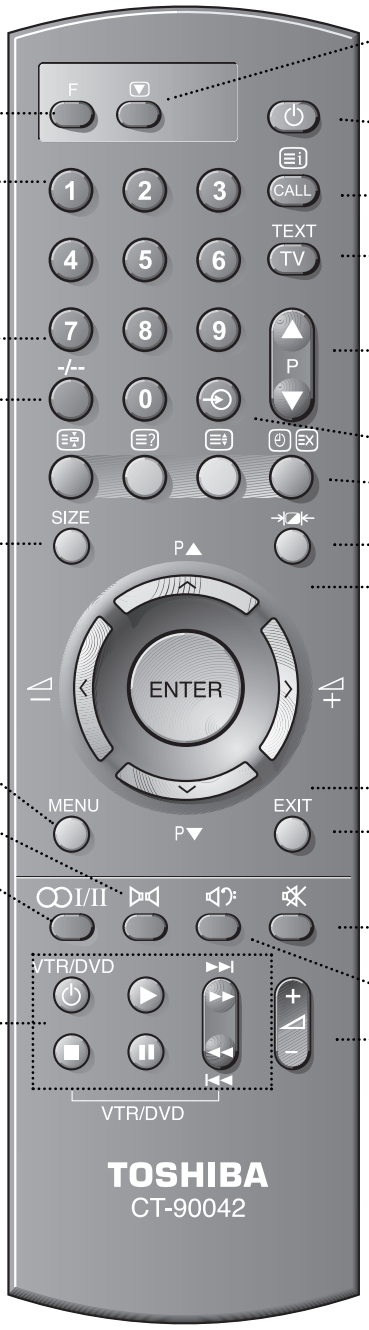
Your new television's remote control

Simple, at-a-glance reference of your remote control's buttons…



F button – use with the colour buttons for teletext features and with the VTR buttons for a ***TOSHIBA*** *DVD player.*

It also increases the speed of most functions.

Number buttons

1 or 2 digit channel selection

Widescreen format selection

Please see page 21 for the principal on-screen Menus

On-screen Menus

This button has no function

Stereo/bilingual reception

These buttons will operate your **TOSHIBA** VIDEO and DVD. ***For the DVD you must press the F button at the same time…***

to switch ON/OFF, *press*

to STOP, *press*

to PLAY, *press*

to PAUSE, *press*

to FAST FORWARD/SKIP, *press*

to REWIND/SKIP, *press*

Picture Still

For On/Standby mode

To bring up on-screen information and for the teletext initial/index function

To display text services

To change programme positions and teletext pages

To select external sources

Teletext control buttons

Selectable picture presets

Menu selection/confirmation buttons – the arrows to move the cursor on the screen up, down, left or right and **ENTER** *to confirm your selection. Selecting teletext pages.*

To exit Menus

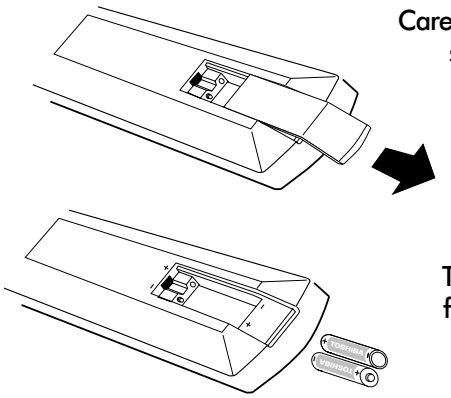
To mute the sound

Bass Boost

To alter the volume

… For quick reference to topics, please see the INDEX at the end of this manual.

The batteries… and the effective range of the remote…



Carefully slide the back cover downwards to reveal the battery compartment and make sure you insert the batteries the right way round.

Suitable battery types for this remote are R03 or AAA.

Do not throw your old batteries into a fire, dispose of them in a designated disposal area. Do not combine a used, old battery with a new one or mix battery types.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the TV.

Connecting and turning on your new TV

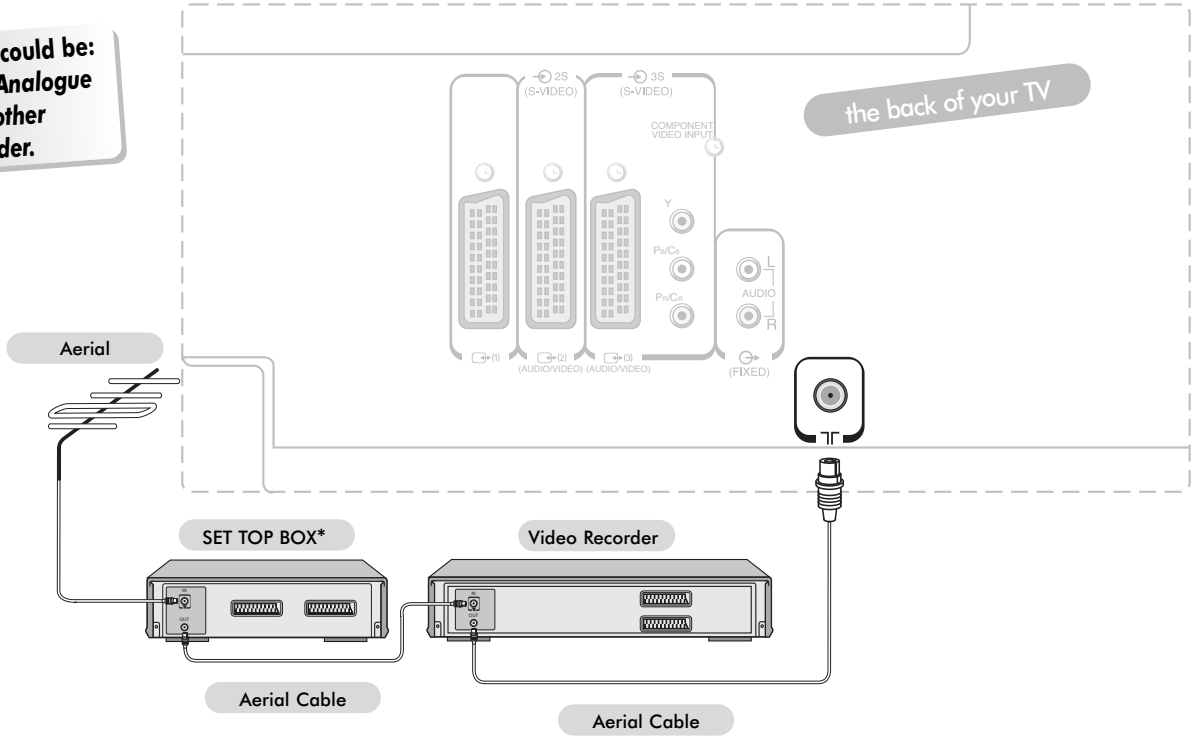
To conserve energy it is best to turn your TV off and not to leave it in Standby, unless the timer has been set.

The TV back connections…

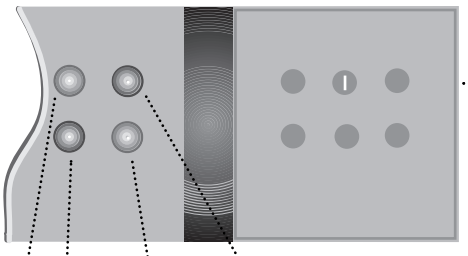
Connect the aerial to the socket on the rear of the television. If you use a Set Top Box and/or a video recorder it is essential that the aerial cable is connected through the Set Top Box and/or through the video recorder to the television.

DO NOT CONNECT SCART LEADS UNTIL THE TELEVISION IS FULLY TUNED.

***a SET TOP BOX could be: Digital Satellite, Analogue Satellite, or any other compatible decoder.**



…and switching your new TV on…



RED = Power On

GREEN = On Timer is set

ORANGE = Dual language being received

GREEN = Stereo signal being received

On the front of the TV…

If the red power-on light is unlit, press the POWER button on the front of the TV to switch the set on and then press a number button on the remote control to see the screen.

…and with the remote control:

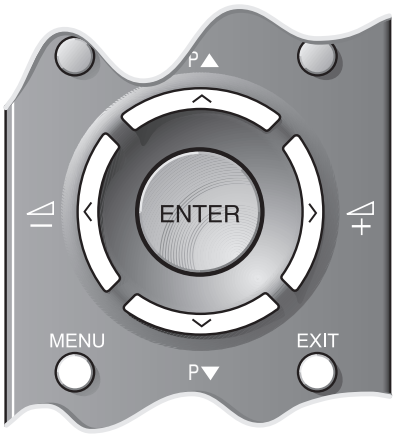
Press the Standby Button ⏻: This allows you to put the set into standby mode when leaving the TV unattended for short periods of time. To return to TV mode press the ⏻ button, or any of the numbered buttons on the remote control. The picture may take a few seconds to appear.

To conserve energy, do not leave the set in Standby for long periods of time.

Choosing the language and system

On setting up you need to choose the system necessary for where you live and also the on-screen menus can be viewed in different languages.

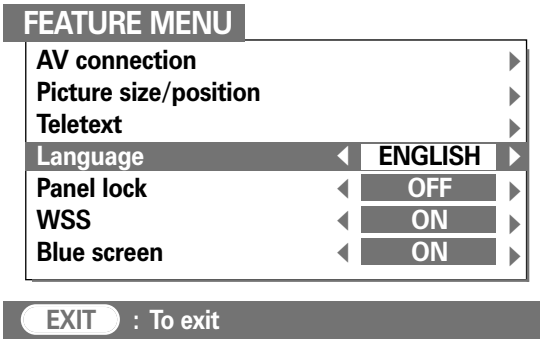
Your language and system choice



To select your language

1 Press the **MENU** button, and use the ❯ button to select **FEATURE MENU** from the top bar.

2 Now repeatedly press the ❯ button until ***Language*** is highlighted in the **FEATURE MENU** options.



3 Press the ❮ or ❯ button to view the language options available. As you view each language, the wording on the menus will automatically change for you.

4 To select your chosen language, simply view it on the screen and then press the **EXIT** button. All the on-screendisplays will now all appear in your chosen language.

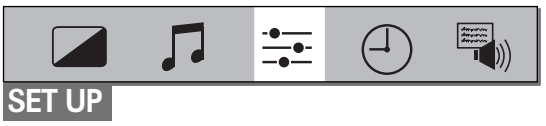
You now need to select your SYSTEM, read on...

To select your system

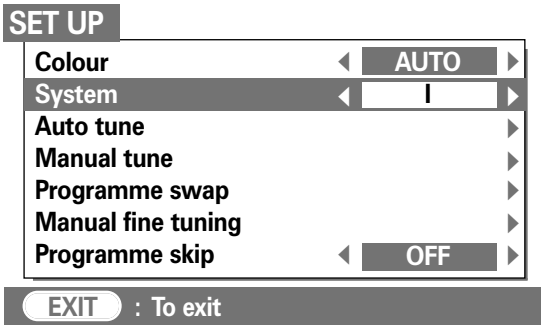
*Before running **Auto tune** which is described on page 7 it is important that you select your desired System as described here. Should you also wish to tune to alternative Systems this must be done manually, after using Auto tune. See page 9.*

B/G – Continental Europe
D/K – Eastern Europe
I – UK
L1(12) L2(8) – France

1 Press the **MENU** button on the remote control, and then either the ❮ or ❯ button to select the **SET UP** option from the top bar.



2 Now press the ❯ button to highlight ***System*** from the **SET UP** menu options and then the ❮ or ❯ button repeatedly to select *your* ***System***.



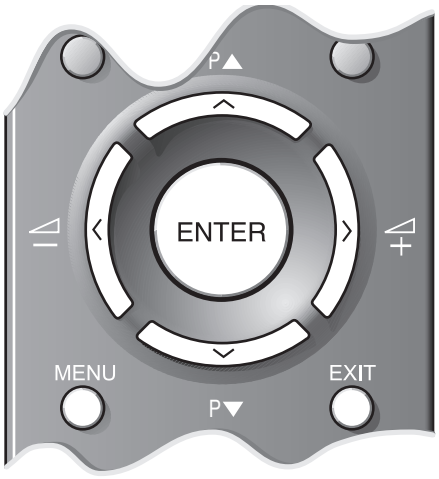
3 Now you have selected your ***System*** you can run ***Auto tune***....

Which is explained on the next page...

Auto tune

Auto tune searches similar systems, e.g. **B/G, D/K** and **I** and then displays all the available stations. Before running ***Auto tune*** turn on your Set Top Box and tune to a main channel. Also turn on the video recorder and set it to Standby – this will enable your television to identify and allocate the necessary programme positions.

After selecting your System you can now run Auto tune…



*If no station ident. appears, it can be put in manually, see **Step 6** of **Manual Tune**.*

! *Remember… select a System before running Auto tune.*

1 Press the ❯ button to highlight ***Auto tune*** while you are in the **SET UP** menu.

SET UP

Colour	AUTO
System	I
Auto tune	
Manual tune	
Programme swap	
Manual fine tuning	
Programme skip	OFF

EXIT : To exit

2 Press the ❯ button. *You will be informed that all previous settings will be lost.*

Press the **ENTER** button on the remote control to begin the search for available stations.

3 ▸▸▸▸▸ will flash and each station found will appear in succession on the screen.

AUTO TUNE

SEARCHING
▸▸▸▸▸
Channel : 21
Station : - - - - - - -

Allow the television to complete the search.

EXIT : To exit

When the search is complete…

AUTO TUNE

Prog.	Station	Channel
1	- - - - - - -	2
	- - - - - - -	3
	- - - - - - -	5
	- - - - - - -	7
	- - - - - - -	8
	- - - - - - -	12

ENTER : To store
EXIT : To exit

*…Your TV may display different **Channel** numbers…*

4 Press the ❯ and ❮ buttons to move through the list to select the channel you wish to allocate to programme position 1.

5 Press **ENTER** to store.

You can use the *Programme swap* facility later if required, see page 8.

6 Repeat the procedure for all the programme positions you wish to store including the Set Top Box. If you wish to leave a programme position free, for use in the future, store an unwanted channel on it.

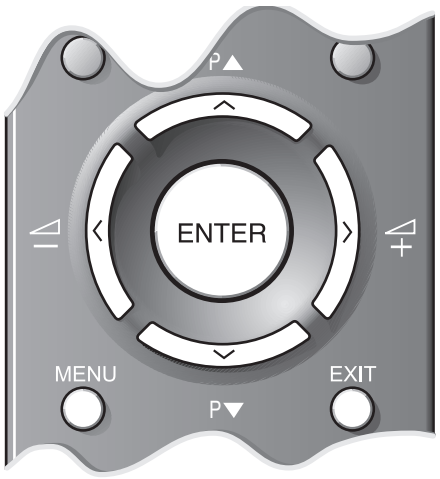
7 Press the **EXIT** button when you have finished and press the number buttons to view a channel of your choice, e.g. 01. To tune any stations on different SYSTEMS, use the ***Manual tune*** facility from the **SET UP** menu, as described on page 9.

! **YOU MAY NOW CONNECT YOUR SCART LEADS**

*The Colour system and Manual fine tuning should not require alteration unless you experience interference or a weak signal – see **Questions and Answers**, starting on page 22.*

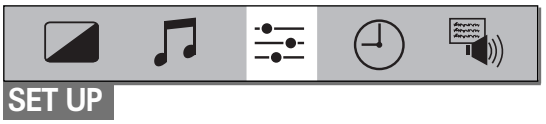
Swapping programme positions and programme skip

After ***Auto tune*** if you want to swap the position of certain programmes you can. ***Program swap*** is an easy way of storing each channel on the programme position of your choice and ***Program skip*** stops the viewing of certain channels.

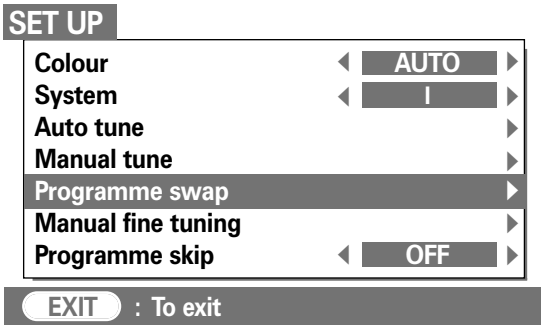


To swap programme positions

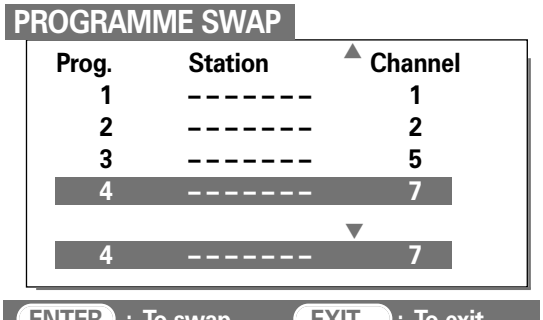
1 Press the **MENU** button and then the ❮ or ❯ button to select the **SET UP** option from the top bar.



2 Press ❯ to highlight ***Programme swap*** and ❯ to select.



3 The list of stations is now showing. With the ❯ or ❮ button highlight the station you want to *move* and press **ENTER** to select. The station you are moving will show on the bar at the bottom.



4 With the ❯ or ❮ button again, move through the list to your *preferred* position.

5 Press **ENTER** again. You will see that the programme positions have now been swapped.

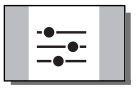
6 Repeat as necessary and then press **EXIT**.

Skipping programmes

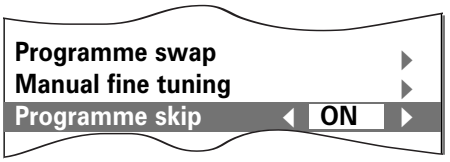
To prevent certain programmes from being viewed, for example, a certain film by your children whilst your are out for the evening, you can skip the programme position and take the remote control with you. The television will still function as normal using the controls on the front of it, but the set will not show the skipped programme position.

1 Using the remote control, select the channel to be skipped.

2 Select the ***SET UP*** menu, and then ***Programme skip***.



3 Press ❯ to turn ***Programme skip*** **ON**.



4 Then press the **EXIT** button.

5 It is necessary to repeat from ***step 1*** for all the channels to be skipped. The ***skipped*** channels *cannot* now be selected by the ▼ **P** ▲ buttons or by the controls on the front of the TV *but can still be accessed by the number buttons on the remote control*.

An ✱ on the screen indicates a skipped programme position.

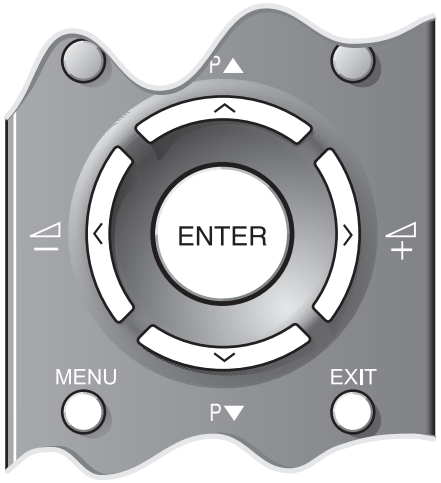
6 To turn ***Programme skip*** **OFF**, repeat the procedure on the chosen channel.

...Remember... each channel has to be INDIVIDUALLY selected and set with *Programme skip* ON or OFF.

Manually tuning your TV

As an alternative to ***Auto tune***, you can tune-in your Toshiba television manually using ***Manual tune***. For example: if you have used ***Auto tune*** but wish to tune-in a station on another **SYSTEM** (see page 6) or, you are unable to connect the TV to your video with a Scart lead.

Manual tune



If you cannot connect your television to the video recorder using Scart Leads you will need to allocate a programme position on the television for the video recorder. Insert a pre-recorded tape and press PLAY on the remote control, then Manual tune...

1. If you need to change your *System* (see page 6) before starting *Manual tune*, choose the programme position you wish to use.

2. Then, from the top menu bar select **SET UP** and with the ❯ button select ***Manual tune***.

SET UP

Colour	AUTO
System	I
Auto tune	
Manual tune	
Programme swap	
Manual fine tuning	
Programme skip	OFF

EXIT : To exit

3. Press the ❯ button twice to start the search.

4. ❯❯❯ (***Search***) will flash and the television will show the channel numbers whilst the search is progressing.

   On finding a station it will show on the television.

MANUAL TUNE

Back	
Search	❯❯❯
Programme no.	01
Channel	024
Station	--------

ENTER : To store
EXIT : To exit

5. If you *do not* wish to store it, press the ❯ button to continue the search. If you *do* wish to store it press ❯ to highlight the ***Programme no.*** and if necessary, press ❮ or ❯ to select the number you wish to store it on.

6. Press ❯ to highlight ***Station*** and ❮ or ❯ to select a ***Station*** name if required.

7. Press **ENTER** if you wish to store the broadcast displayed.

8. To repeat the process, highlight ***Search*** and press the ❯ button to look for the next station.

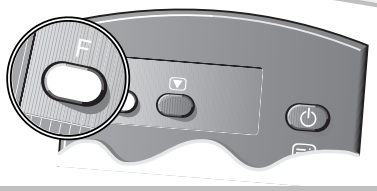
   Press **EXIT** when you have finished.

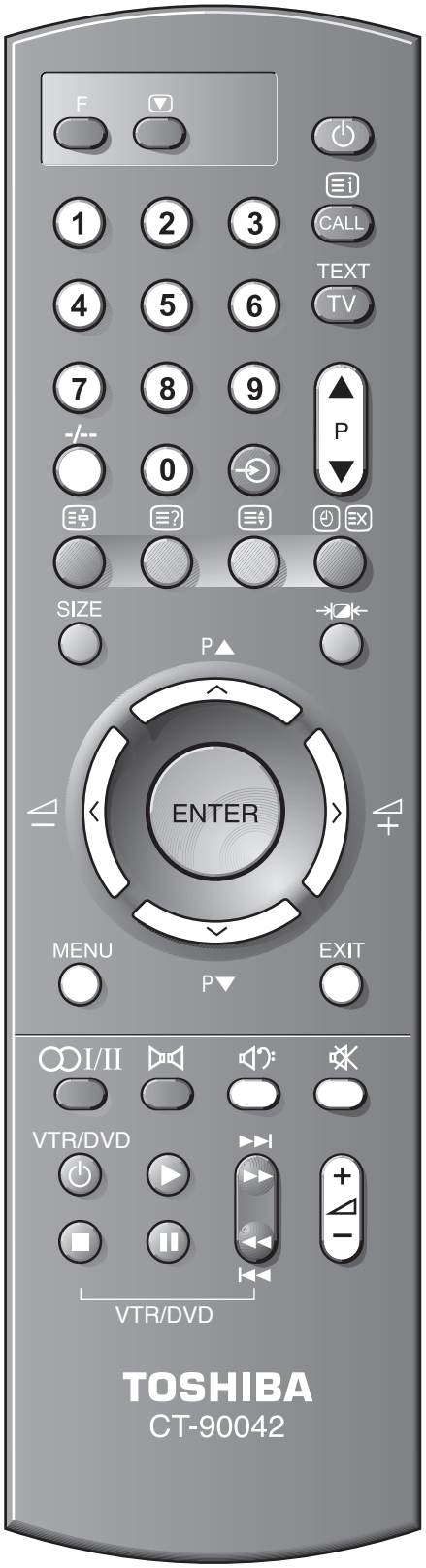
PLEASE NOTE This TV has direct channel entry if the channel numbers are known.

Select the ***Manual tune*** screen.
Enter the required programme position, then enter the appropriate channel number.
Select the station name and press **ENTER** to store.

General controls

Pressing the F button at the same time will speed up most functions...

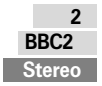




Selecting and changing programme position

Enter the desired programme position number using the numbered buttons on the remote control. For programme positions *below* 10, press the -/-- button to select — on screen. Enter the desired programme position number using the numbered buttons on the remote control again.

For programme positions *above* 9, press the -/-- button to select — —. Enter the desired two digit programme position number: 10-99.



You can also change the programme position by using the ▼ **P** ▲ button or the ❯ and ❮ buttons.

The programme position will be displayed on the screen with the Stereo/Mono indicator, described on page 17.

Sound control

Volume

Press the ◿ **– +** button or the ❮ and ❯ buttons to adjust the volume.

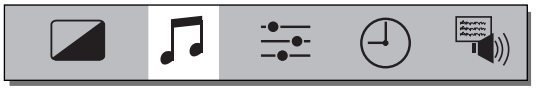
Sound Mute

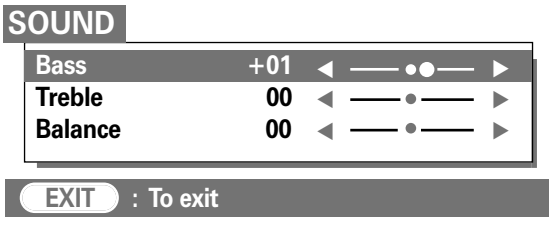
Press the button to turn the sound off. Press it again and the sound will return.

Bass Boost – to enhance the depth of sound

Press the button repeatedly to turn the ***Bass Boost*** on and off. Press the ❮ or ❯ button to adjust.

Bass, treble and balance adjustments



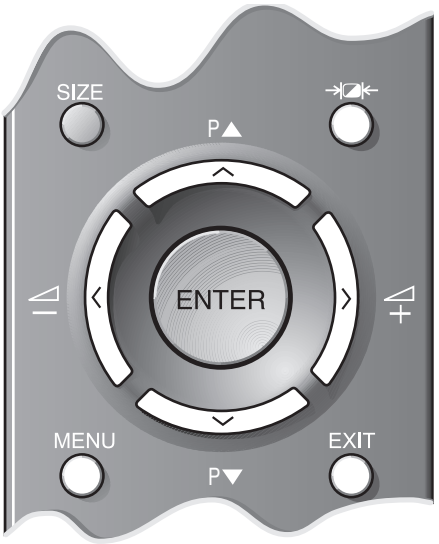


Press the **MENU** button on the remote control, and the ❮ or ❯ button to select the **SOUND** option from the top bar.

Press the ❯ button to highlight ***Bass, Treble*** or ***Balance*** from the **SOUND** menu and then the ❮ or ❯ button to change the setting.

Picture adjustments

This television offers you the choice of personalising the picture style to suit your own preferences.

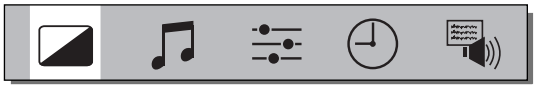


Picture preferences

1. By pressing the ⇥◪⇤ button you can view the different picture styles available:

   Picture mode-1 to ***3*** for preset options and, ***Picture mode-M*** is for your own settings:

2. So, to set your own, choose **PICTURE** from the top menu bar.



PICTURE

Contrast	50	
Brightness	50	
Colour	50	
Tint	00	
Sharpness	00	
Scan mode		100Hz
DNR		OFF

EXIT : To exit

Within this **PICTURE** menu you have the options to adjust the ***Contrast***, ***Brightness***, ***Colour***, ***Tint*** and ***Sharpness***.

3. Using the ❮ or ❯ button alter to suit your taste.

The Tint can only be adjusted on a signal from an NTSC video recorder or DVD player when the television is in AUTO colour mode.

Scan Mode

1. Select ***Scan mode*** from the **PICTURE** menu.

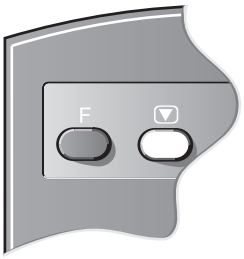
2. With the ❮ or ❯ button select between **100Hz** and **NATURAL**, to choose the picture you prefer – the difference may only be slight.

DNR – Digital Noise Reduction

DNR enables you to 'soften' the screen representation of a weak signal.

1. Select ***DNR*** from the **PICTURE** menu. Select between **AUTO** and **OFF** to obtain the best picture. The differences may not always be noticeable.

Picture Still



Using the latest technology this television's 100Hz double scanning plus digital picture processing produces a flicker-reduced picture. In addition, a *still* – similar to freeze frame on a VTR – can be held on the screen.

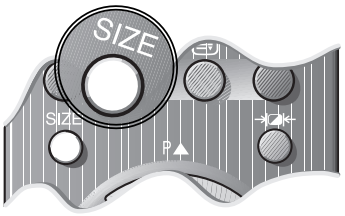
1. Pressing the ▼ button will hold an image on the screen. Press ▼ again to return to TV mode.

Blue Screen

When no signal is being received, the TV will switch the screen to blue. After 20 minutes the TV will switch to Standby mode.

1. In the **FEATURE MENU** select ***Blue screen*** **ON** or **OFF**.

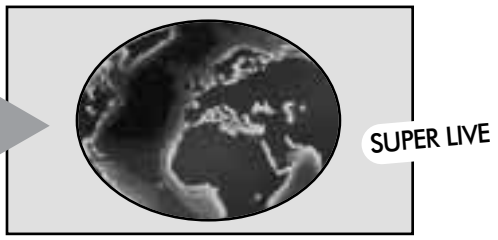
Widescreen viewing



Press the SIZE button repeatedly to view the options available.

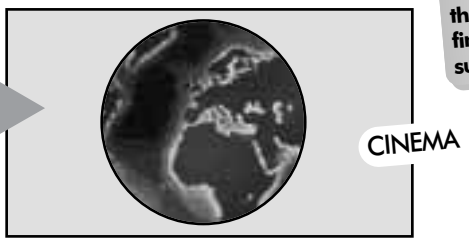
This set is capable of showing broadcasts in a number of formats. Depending on the type of broadcast being transmitted you may select between ***SUPER LIVE, CINEMA, SUBTITLE, 14:9, WIDE*** and ***4:3***.

SUPER LIVE *This setting will enlarge the image to fit the screen by stretching the image horizontally, holding the correct proportions at the centre of the image.*

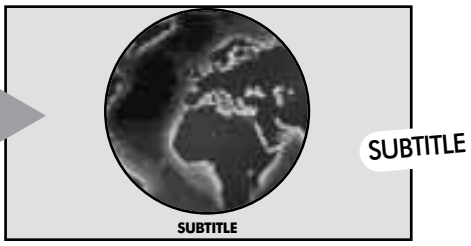


Experiment with them all until you find a style that suits you...

CINEMA *When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.*

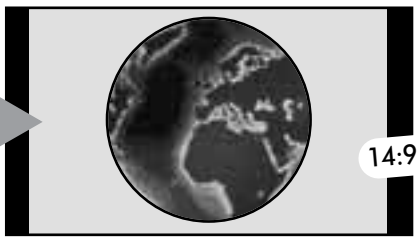


SUBTITLE *When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.*



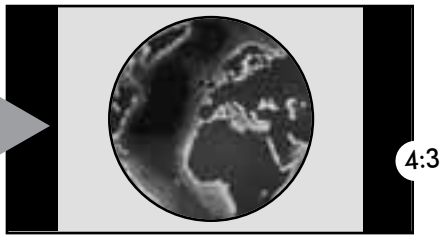
! Whenever the MENU button is pressed the picture size setting may change while the menus are ON the screen. This is to ensure the menus do not overlap the edges of the viewable area.

14:9 *Use this setting when watching a 14:9 broadcast.*



WIDE *Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) you may see black bars on the top and bottom of the screen.*

4:3 *Use this setting to view a true 4:3 broadcast.*



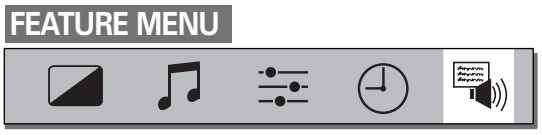
Picture position

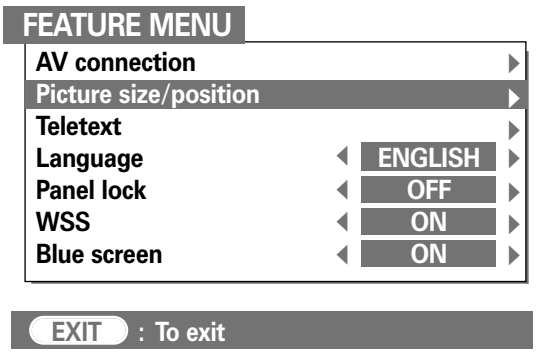
Adjustment to the horizontal and vertical position and height of the picture may be made to suit your viewing preferences.

Picture size/position settings

1. Press the **MENU** button, and use the ❯ button to select **FEATURE MENU.**

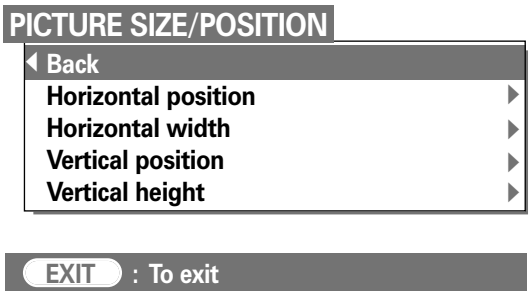
2. Now repeatedly press the ❯ button until ***Picture size/position*** is highlighted.





3. Press the ❯ button to view the options available and adjust the settings, depending upon the picture type (***SUPER LIVE, 14:9*** etc...) selected previously.

In ***SUPER LIVE***:



! ***The options available to you when in the Picture size/position screen will vary depending upon the widescreen format you have previously chosen, as detailed on page 12.***

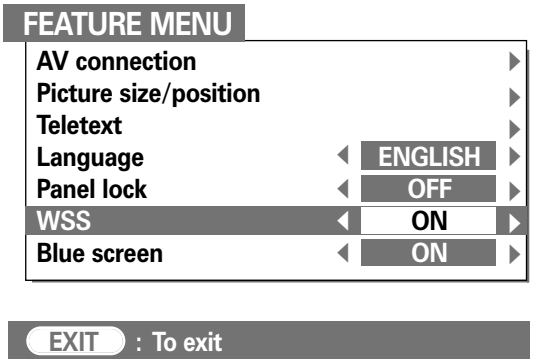
WSS – Widescreen Signalling

When ***WSS*** is **ON**, and this TV is connected to equipment such as a DVD player, *Widescreen* images will automatically be displayed in Widescreen format, irrespective of the TV's previous setting.

1. Press the **MENU** button, and use the ❯ button to select the **FEATURE MENU.**

2. Use ❯ to move down to ***WSS***.

3. Using the ❮ or ❯ button turn ***WSS*** **ON** or **OFF**.



Teletext – setting up

This TV has a 500 page teletext memory, which takes a few moments to load and it offers two ways – *modes* – of viewing text. ***AUTO***, which will automatically display the best text system available – FASTEXT, if transmitted, if not, normal text will be displayed – and ***LIST***, which enables you to choose your favourite pages.

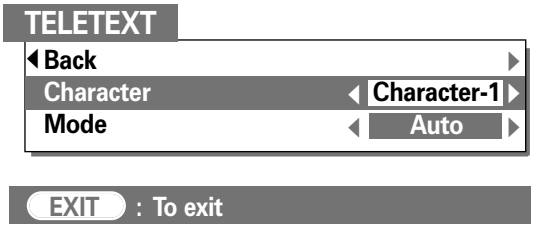
Selecting the character set and viewing mode and general information

Selecting characters and modes

*Before using teletext you can choose the correct alphabet – **Character** – and whether you want to use the **List** or **Auto** mode, explained on the next page, in which to view the service.*

1 From the **FEATURE** menu, use the ❮ or ❯ button to highlight ***Teletext*** and then the ❯ button to select.

2 With ***Character*** highlighted, use the ❯ button to select your required character set: ***CHARACTER-1*** or ***CHARACTER-2***:



Character-1 for:

English	**Français**	**Deutsch**
Italiano	**Español**	**Jazyk**
Svenska	**Português**	**Türkçe**

Character-2 for:

Po polsku	**Romana**	**Jazyk**
Srpski	**Français**	**Deutsch**
Italiano	**Svenska**	

3 To select the ***Mode***, with the the ❯ button highlight ***Mode***.

4 With the ❮ or ❯ button choose ***Auto*** or ***List***.

5 Press **EXIT** to finish.

About teletext

The TEXT TV button:

TEXT TV Pressing the **TEXT TV** button once will bring up the teletext screen. Pressing it again will split the TV screen in two, with the TV picture and the text screen side by side. A third press will return you to the normal TV screen. You need to return to normal viewing if you wish to change channels.

When you first press the **TEXT TV** button to access the text service, the first page you see will be the *initial* page in ***AUTO*** mode, or your first chosen page in ***LIST*** mode.

To access any teletext page, enter the 3 digit page number, using the numbered buttons on the remote control, *e.g. Travel 430*.

Teletext continued on the next page…

Teletext continued
– *Auto* and *List* modes

Moving around the teletext pages in ***Auto*** and ***List*** modes and selecting favourite pages

Moving around

The ***Mode*** you choose to view teletext in will determine whether **FASTEXT** is displayed (if available) – ***Auto***, or whether *your* four favourite pages are available – ***List***.

Auto

Press the **TEXT TV** button to access teletext.

In ***Auto*** mode, if **FASTEXT** *is* available, you will see four coloured titles at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control, corresponding to the title.

If **FASTEXT** is *not* available, you can access a page by pressing a 3-digit number, using the buttons on the remote control.

For further information on your particular text system(s), see the broadcast teletext index page or, consult your local Toshiba dealer.

List

LIST Mode. Press the **TEXT TV** button to select ***Teletext***.

To programme the set to hold your 4 favourite pages in memory. Select the ***LIST*** function by pressing the **GREEN** button.

Enter the first page number (*in purple on screen*) then press the **GREEN** button. Repeat for each of the desired 4 pages.

To view these 4 selected pages press the **RED** button for **ROTATE**. An arrow head will point to the page number of the *next favourite* page that will be displayed on pressing the **RED** button again.

On programme positions 0-9 you can pre-programme an *INITIAL* page. Select the ***INITIAL*** function by pressing the **YELLOW** button. P*** will appear in the top left corner of the screen. Enter the required 3 digit page number. As you key in the desired ***INITIAL*** page, for example page 220, the numbers will replace the ***.

Whenever text is first selected on this programme position this ***INITIAL*** page will be displayed.

Moving around the pages

In both ***Auto*** and ***List*** modes.

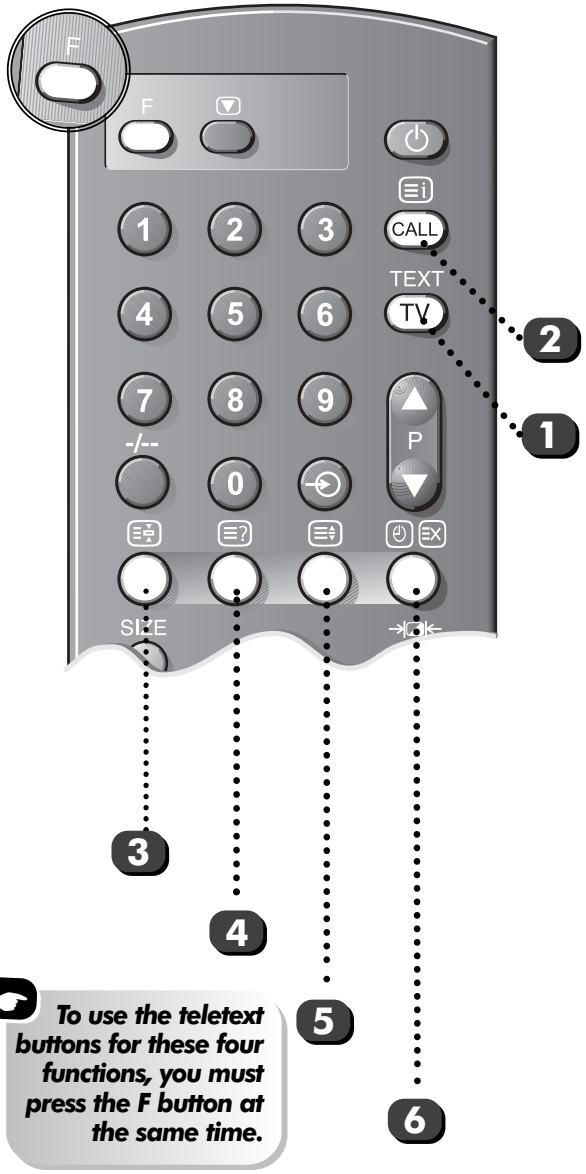
Use the ^ and v buttons or the ▼ **P** ▲ button to go to the next or previous main page.

The rest of the text control buttons are explained on the next page…

Teletext continued – control buttons

Now you have set up teletext, below is a guide to the remote control teletext buttons and their functions.

Using the buttons on the remote control



To use the teletext buttons for these four functions, you must press the F button at the same time.

Remember to cancel text before changing channels – press the TEXT TV button twice.

1 **TEXT TV** To display a page of teletext:

Press the **TEXT TV** button to display teletext. Press again to split the TV/teletext screen to continue viewing the normal broadcast picture whilst viewing a text page. Press a third time to return to normal TV. You cannot change programmes until you return to normal TV.

2 *To display an index/initial page:*

In ***Fastext***-mode
Press the button to access index pages. The one displayed is dependant on the broadcaster.

In ***LIST***-mode
Press the button to return to your chosen initial page.

3 **F** *and* *To hold a wanted page:*

At times it is convenient to hold a page of teletext. Press the **F** and the buttons and the word **HOLD** will appear in the top left of the screen. Press again to release.

4 **F** *and* *To reveal concealed text:*

Some pages cover topics such as quizzes and jokes. To discover the solutions press the **F** and the buttons.

5 **F** *and* *To enlarge the teletext display size:*

Press the **F** and the buttons once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

6 **F** *and* *To select a page whilst viewing a normal picture:*

When in teletext mode, if a page selection is made and then the **F** and the buttons are pressed, a normal TV picture will be displayed. The TV will then indicate when the page is found by displaying the text page number at the top of the screen. Press the **TEXT TV** button to view the page.

To display news flashes:
Select the news flash page of the particular teletext service (see the teletext index page). To hide this display, press the **F** + the buttons. News flashes will be re-displayed as and when they are updated. To view the current news flash again, press the **TEXT TV** button, pressing it twice more will cancel the news flash and return to normal TV.

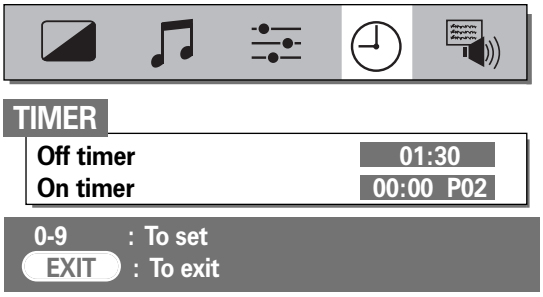
You must cancel the news flash page before changing channels.

The timer, time display and panel lock
Stereo/bilingual transmissions

The Timer

You can tell the TV to turn itself **ON** or **OFF** after a certain time.

1 Select the ***TIMER*** option from the top menu bar.



2 Select the ***Off timer*** (or the ***On timer***). If, for example, you want the TV to turn OFF (or ON) in one and a half hours time, enter 01:30 using the numbered buttons on the remote control.

3 When setting the ***On timer***, you must enter the programme position number you want to watch. You must put the set into Standby mode by pressing the ⏻ button.

When the ***On timer*** has been set, the GREEN On timer indicator on the front of the TV will be lit (see page 5).

If the **On timer** *has been set, you do not have to wait for the time period to elapse before being able to watch the television. You can bring the set back to life by pressing the ⏻ button. However, the GREEN timer light will stay on until the set time period has passed.*

The Time Display

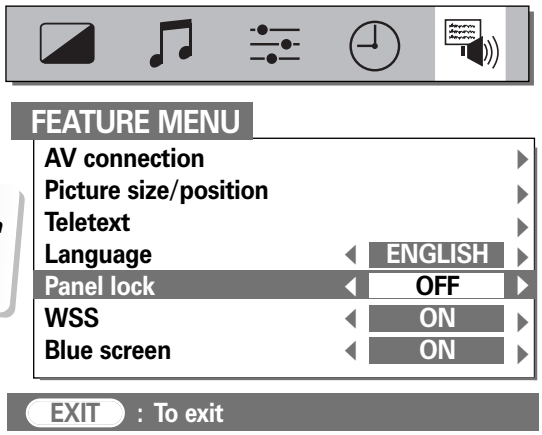
The time display facility allows you to see the current time on the TV screen.

If you press the **F** button and the ⏲ button on the remote control whilst watching a normal TV broadcast, you will see a very accurate time display showing the hour, minute and seconds, appear in the top right corner of the screen.

It will remain on the screen for about 5 seconds.

Panel Lock

Panel lock allows you to disable the buttons on the front of the TV set so that channels cannot be changed. You can though, still use the buttons on the remote control.



When Panel lock is ON, you will be reminded on the screen when you press any of the front panel buttons.

With Panel lock ON, once the TV has been turned off using the ON/OFF button on the front of the TV, the TV can only be viewed again after switching on with the ON/OFF button and then pressing the Standby button ⏻ on the remote control.

1 From the **FEATURE MENU** select ***Panel lock*** and choose **ON** or **OFF** with the ❮ and ❯ buttons.

Stereo and Bilingual transmissions…

If Nicam or dual language broadcasts are transmitted the word *Stereo* or *Dual* will appear on the screen, disappearing after a few seconds.

NICAM broadcasts can be in either Stereo or Mono.

Stereo…

The display will reappear each time you change programme positions, provided that the broadcast is in stereo. If the broadcast is *not* in stereo the word Mono will appear.

1 Choose the required programme number.

2 Press the ⏀ I/II button repeatedly, to select between ***Stereo*** and ***Mono***.

…and Bilingual

Bilingual transmissions are rare.
If they *are* transmitted the word ***Dual*** will display.

1 If the word ***Dual*** *does* appear press the ⏀ I/II button to select between ***Dual 1***, ***Dual 2*** and ***mono***.

AV connections and input selection

You must define your INPUT and OUTPUT sockets so that your television recognises connected equipment.

...Please see page 20 for a clear view of the back connection recommendations...

Most video recorders and Set Top Box receivers send a signal through the **Scart lead** to switch the TV to the correct *Input* socket. Alternatively you may select it with the external source selection button ⊕ on the remote control. *Equipment connected to the COMPONENT VIDEO INPUT must be selected by pressing the ⊕ button.*

Input Selection

Using the Input Selection if the TV does not switch over automatically.

1. Press the ⊕ button to bring up **EXT1** on the screen. This will display the signal coming in through *Scart 1*.
2. Press the ⊕ button again to select the equipment connected to *Scart 2* (**EXT2**).
3. And press the ⊕ button again for **EXT3** (*Scart 3* or COMPONENT VIDEO INPUT, on the back of the TV or ⊕3, on the front of the TV).

An S after EXT2 or EXT3 e.g. *EXT2S* or *EXT3S*, indicates the input is set for an S-Video signal. *EXT3C* indicates that it is set for a component video input.

4. To return to TV mode simply press one of the numbered buttons on the remote control. To view the external equipment once again, simply press the ⊕ button until you see your external source.

Selecting the INPUT Signal for Scart 2 and 3

This feature allows you to select the type of video recorder to be connected to Scarts 2 or 3 on the back of the television. ***S-VIDEO*** enables the television to receive from S-VHS players, ***AV*** enables the television to receive from standard video recorders and Set Top Boxes. ***COMP. VIDEO*** enables the television to receive a video input from a DVD player.

1. From the **FEATURE MENU** select ***AV connection*** and with ❮ and ❯ select the required ***Input*** for ***EXT2***: ***AV*** or ***S-VIDEO*** and ***EXT3***: ***AV***, ***S-VIDEO*** or ***COMP. V.***

AV CONNECTION

Back	
EXT2 input	AV
EXT3 input	S-VIDEO
EXT2 output	EXT 1

Selecting the OUTPUT signal for Scart 2

This feature enables you to select the source to output from Scart 2. e.g. If you connect a stereo Set Top Box receiver to Scart 1 and a stereo video recorder to Scart 2, and select ***EXT1*** as the ***EXT2*** output (*i.e.* you will output the signal received through Scart 1 directly out to Scart 2), you will be able to record the stereo Set Top Box transmission in stereo.

1. Again, from the **FEATURE MENU** select ***AV connection***.
2. Using the ❮ or ❯ button change the **EXT2 output** option to either ***Monitor***, ***TV*** or ***EXT1***.

Monitor = The picture on screen

TV = The last television programme selection.

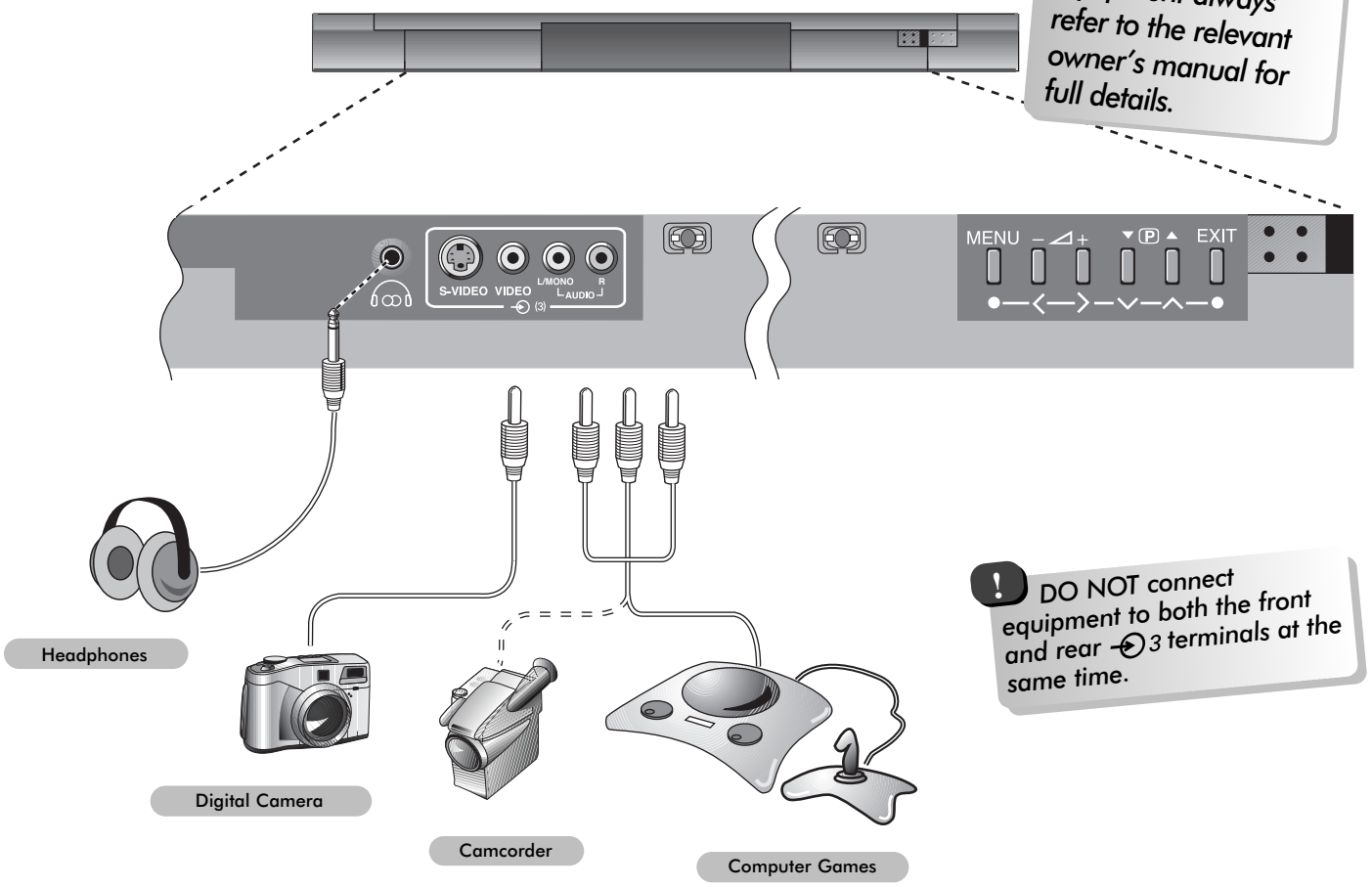
EXT1 = the picture from equipment connected to Scart 1.

Front connections and controls

You can connect a wide variety of external equipment via the *sockets* located behind the flap on the front of the TV. Press the right hand side of the flap to open it.

Front connections

When connecting equipment always refer to the relevant owner's manual for full details.



DO NOT connect equipment to both the front and rear ⊖3 terminals at the same time.

If you connect mono sound equipment to ***Input 3***, connect the audio output of the equipment to the L/Mono socket on the TV.

To select the front Inputs, press the ⊖ button until the display shows ***EXT3*** or ***EXT3S*** as described on the previous page.

Before connecting any external equipment, turn off all main power switches.

Please note: Inserting the headphone jack will mute the sound from all speakers.

Front controls

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used for some functions…

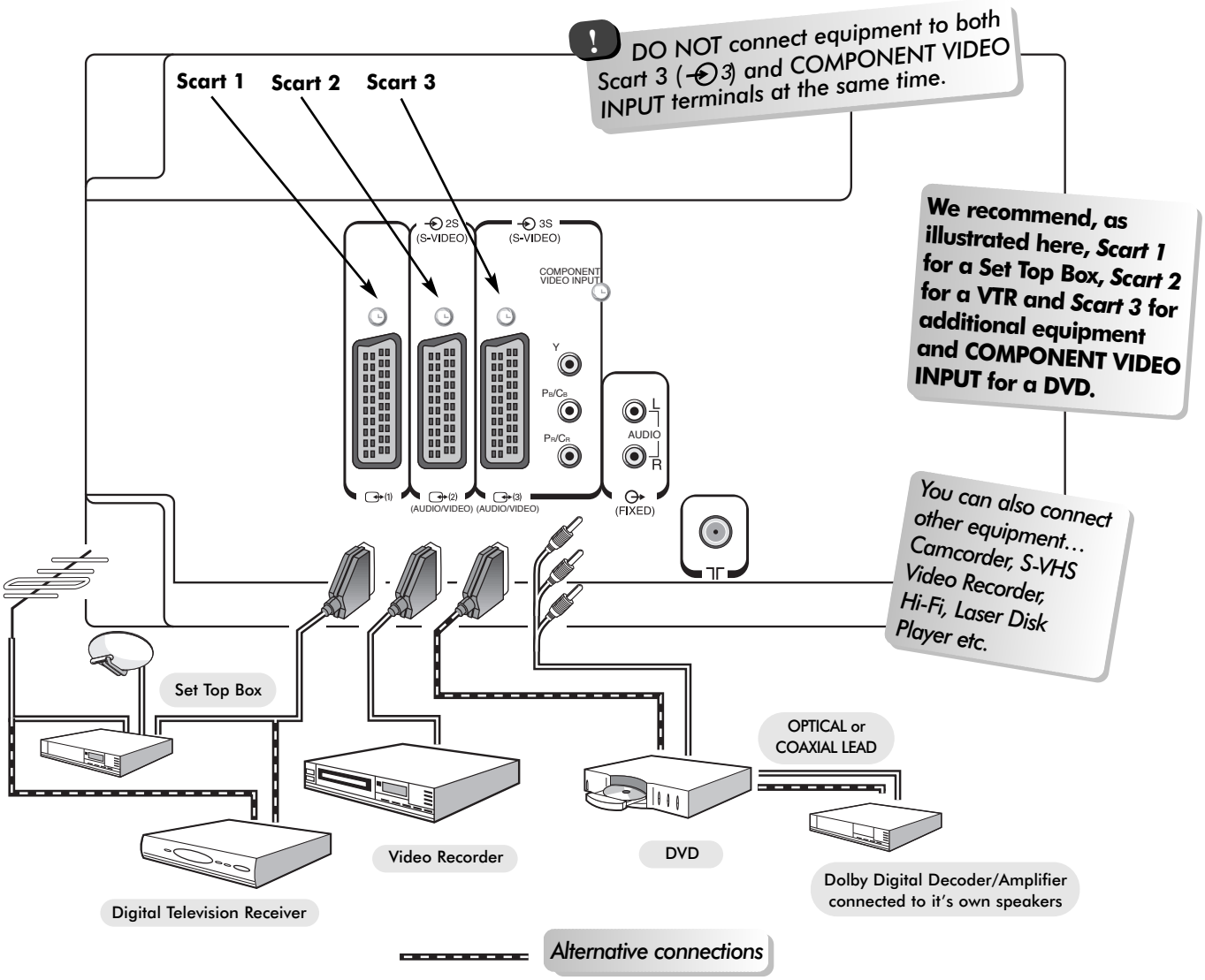
For example, to *alter the volume* press the − ◿ + buttons.

To *alter the programme position* press the ▼ **P** ▲ buttons.

Press the **MENU** button and control the sound and picture features with the − ◿ + and ▼ **P** ▲ buttons.

Use **EXIT** to cancel the displays.

Back connections


DO NOT connect equipment to both Scart 3 (⇥3) and COMPONENT VIDEO INPUT terminals at the same time.
Scart 1
Scart 2
Scart 3
We recommend, as illustrated here, Scart 1 for a Set Top Box, Scart 2 for a VTR and Scart 3 for additional equipment and COMPONENT VIDEO INPUT for a DVD.
2S (S-VIDEO)
3S (S-VIDEO)
COMPONENT VIDEO INPUT
Y
PB/CB
PR/CR
AUDIO
L
R
(1)
(2)
(3)
(AUDIO/VIDEO)
(AUDIO/VIDEO)
(FIXED)
You can also connect other equipment... Camcorder, S-VHS Video Recorder, Hi-Fi, Laser Disk Player etc.
Set Top Box
OPTICAL or COAXIAL LEAD
Video Recorder
DVD
Dolby Digital Decoder/Amplifier connected to it's own speakers
Digital Television Receiver
Alternative connections

On the back of the TV are 3 Scart sockets, and a selection of phono sockets, all of which will enable you to connect a variety of equipment.

If connecting S-VIDEO equipment, set the **INPUT** for ***EXT2*** or ***EXT3*** accordingly. See page 18.

In addition there is a fixed external audio output which enables the connection to a suitable Hi-Fi unit.

Before connecting any external equipment, turn off all main power switches.

If your TV automatically switches over to monitor the connected equipment you can return to normal TV simply by pressing the desired programme position button.

To recall the connected equipment, press the ⇥ button repeatedly to select between ***EXT1***, ***EXT2*** and ***EXT3***.

For example:

To view a video recorder press the ⇥ button repeatedly to select ***EXT1***, ***EXT2*** or ***EXT3***.

To return to normal TV press one of the numbered buttons on the remote control.

To return to watching a video press the ⇥ button repeatedly.

The on-screen Menus

Press the **MENU** button on the remote control to see your top menu bar. This white menu bar will show five different topics shown in symbols. As you select each symbol by pressing the ❮ or ❯ button, its respective options will appear below. To use the options press the ❯ button on the remote control to move you down through them.

Using the Menus

The functions of each menu are described in detail throughout this Manual.

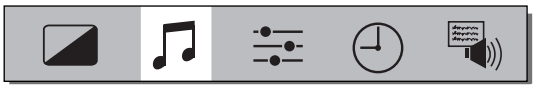
The PICTURE Menu

PICTURE

Contrast	50	◄ ——•—— ►
Brightness	50	◄ ——•—— ►
Colour	50	◄ ——•—— ►
Tint	00	◄ ——•—— ►
Sharpness	00	◄ ——•—— ►
Scan mode		◄ NATURAL ►
DNR		◄ OFF ►

EXIT : To exit

The SOUND Menu



SOUND

Bass	00	◄ ——•—— ►
Treble	00	◄ ——•—— ►
Balance	00	◄ ——•—— ►

EXIT : To exit

The SET UP Menu

When watching a TV broadcast...

SET UP

Colour	◄ AUTO ►
System	◄ I ►
Auto tune	►
Manual tune	►
Programme swap	►
Manual fine tuning	►
Programme skip	◄ OFF ►

EXIT : To exit

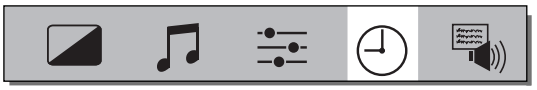
When watching an external source...

SET UP

Colour	◄ AUTO ►

EXIT : To exit

The TIMER Menu

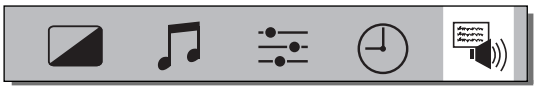


TIMER

Off timer	00:00
On timer	00:00 P02

0-9 : To set
EXIT : To exit

The FEATURE Menu



FEATURE MENU

AV connection	►
Picture size/position	►
Teletext	►
Language	◄ ENGLISH ►
Panel lock	◄ OFF ►
WSS	◄ ON ►
Blue screen	◄ ON ►

EXIT : To exit

Questions and Answers...

...For quick reference to topics, see the INDEX at the back of this manual.

If you experience what seem like problems operating your TV, we recommend you read through these simple checks.

Q *Why is there no sound or picture?*

A Check that the mains switch is on and check all the connections. Press the Standby button ⏻ on the remote control to make sure that the TV is not in Standby mode. Press a number button on the remote control to cancel any ***Timer off*** setting.

Q *There IS a picture, but why is there little or no colour?*

A The television is factory set to ***AUTO*** in the **SET UP** menu and usually chooses the best colour system. If the picture source is of poor quality, the ***AUTO*** function may not work. In which case you can view the colour options available…

1 From the **SET UP** menu select ***Colour***.

SET UP

Colour	AUTO
System	I
Auto tune	
Manual tune	
Programme swap	
Manual fine tuning	
Programme skip	OFF

EXIT : To exit

2 With the ❮ or ❯ button, choose between ***AUTO***, ***PAL***, ***SECAM***, ***NTSC 4. 43*** or ***3. 58***.

Q *Why are there coloured patches on the screen?*

A These are often caused by magnetic field interference. Turn off the TV by the ON/OFF button on the front of the TV for ten minutes and then turn it on again. If there are any speakers nearby, reposition them away from the TV before turning the TV off.

Q *I have a picture, but why have I no sound?*

A Press the volume button + ◿ or the sound mute 🔇 button.

Q *Can anything else cause a poor picture?*

A Yes, interference or a weak signal. Try a different TV station to check.

Manual fine tuning may help:

1 Select ***Manual fine tuning*** from the **SET UP** menu.

SET UP

Colour	AUTO
System	I
Auto tune	
Manual tune	
Programme swap	
Manual fine tuning	
Programme skip	OFF

EXIT : To exit

2 With the ❮ or ❯ button adjust to optimise the picture.

Q *Why can't I see the video tape I am playing?*

A Make sure you have connected the VTR to the TV using a ***Scart lead*** and then select the correct input using the ⇥ button.

Q *Why are the colours wrong when I play an NTSC source?*

A Connect the source via a Scart lead and play. Select the **SET UP** menu.

SET UP

Colour	AUTO

EXIT : To exit

1 Set the Colour to **AUTO** and exit.

2 Go to the **PICTURE** menu and adjust the tint.

Questions and Answers... continued

Q *Why is the video recorder picture in black and white?*

A The ***input*** socket maybe set to ***S-Video*** in the **AV CONNECTION** menu.

Q *Why is the video picture good but there is no sound?*

A …Check Scart lead connection.

Q *Why am I having problems with teletext?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the Text is unreadable or garbled, check your aerial. Go to the *main index* page of the teletext service and look for the *User Guide*. This will explain the basic operation of teletext in some detail. If you need further information on how to use text *see the teletext section.*

Q *Why don't the controls on the front of the TV work?*

A Check that ***Panel lock*** is not **ON** in the **FEATURE MENU**.

Q *Why doesn't the remote control work?*

A Check that the batteries aren't dead and that they are inserted correctly.

Cleaning the screen and cabinet...

*After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you **do not** use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

When the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

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Panel Lock	17		

Specifications and accessories

Broadcast system/channels

PAL-I	UHF	UK21-UK69
PAL-B/G	UHF	E21-E69
	VHF	E2-E12, S1-S41
SECAM-L	UHF	F21-F69
	VHF	F2-F10, B-Q, F101-F121
SECAM-D/K	UHF	R21-R69
	VHF	R1-R12

Programme Positions 100

Stereo Nicam/MPX

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin Scart	RGB, A/V
EXT2	Input/Output	21-pin Scart	A/V, S-video, Selectable output
EXT3	Input (back)	21-pin Scart	A/V, S-video
		Phono jacks	Y, P_B/C_B, P_R/C_R
	Input (front)	4-pin	S-video
		Phono jack	Video
		Phono jacks	Audio L + R
Fixed Audio Output		Phono jacks	Audio L + R

Visible Screen Size
28ZD06G 660mm
32ZD06G 760mm
32ZD16G 760mm

Display
16:9 aspect ratio
100 Hz double scan

Sound output (at 10% distortion)
Main 10W + 10W rms

Power consumption
28ZD06G 145 Watts
32ZD06G 150 Watts
32ZD16G 150 Watts

Dimensions

28ZD06G	826mm (W)	521mm (H)	528mm (D)
32ZD06G	919mm (W)	568mm (H)	526mm (D)
32ZD16G	919mm (W)	568mm (H)	526mm (D)

Weight
28ZD06G 41kg (approx.)
32ZD06G 55kg (approx.)
32ZD16G 55kg (approx.)

Headphone Socket 3.5mm stereo

Accessories
Remote control
2 batteries (R03 or AAA)

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